

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C01B33/029 B01J19/08

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C01B B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, COMPENDEX, INSPEC, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|------------|--|-----------------------|
| A          | US 4 642 227 A (FLAGAN ET AL)<br>10 February 1987 (1987-02-10)<br>column 6, line 10 - column 7, line 56  | 1, 14, 15             |
| A          | WIGGERS H ET AL: "SILICON PARTICLE<br>FORMATION BY PYROLYSIS OF SILANE IN A HOT<br>WALL GASPHASE REACTOR"<br>CHEMICAL ENGINEERING AND TECHNOLOGY,<br>WEINHEIM, DE,<br>vol. 24, no. 3, 2001, pages 261-264,<br>XP009042555<br>ISSN: 0930-7516<br>cited in the application<br>the whole document | 1, 14, 15             |
| A          | US 4 684 513 A (IYA ET AL)<br>4 August 1987 (1987-08-04)<br>figures  | 1, 14, 15             |
| -/-        |  |                       |

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

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- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

3 March 2005

Date of mailing of the international search report

10/03/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages                                      | Relevant to claim No. |
|------------|---|-----------------------|
| A          | US 4 444 811 A (HSU ET AL)<br>24 April 1984 (1984-04-24)<br>column 6, line 20 - column 8, line 20;<br>figure 1<br>----- | 1, 14                 |

| Patent document<br>cited in search report |   | Publication<br>date | Patent family<br>member(s) | Publication<br>date      |
|---|---|---------------------|----------------------------|--------------------------|
| US 4642227                                | A | 10-02-1987          | NONE                       |                          |
| US 4684513                                | A | 04-08-1987          | CA<br>US                   | 1218218 A1<br>4818495 A  |
|   |   |                     |                            | 24-02-1987<br>04-04-1989 |
| US 4444811                                | A | 24-04-1984          | US                         | 4314525 A                |
|   |   |                     |                            | 09-02-1982               |